

Converting Colors

XYZ(56.9670, 66.3476, 82.4408)

Have a look what the booklet for
XYZ(56.9670, 66.3476, 82.4408)
contains.

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Color

**XYZ(56.9997, 66.5593,
82.5161)**

Conversions

Conversions Part 1

Format	Color
Hex	ACDEE3
RGB	172, 222, 227
RGB Percent	67%, 87%, 89%
CMY	0.3255, 0.1294, 0.1098
CMYK	0.24, 0.02, 0.00, 0.11
HSL	185°, 50%, 78%
HSV	185°, 24%, 89%
XYZ	56.9997, 66.5593, 82.5161
YIQ	207.6200, -31.4050, -9.0450

Conversions

Conversions Part 2

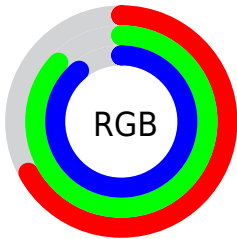
Format	Color
RYB	172, 198, 227
Decimal	11329251
CIELab	85.28, -14.91, -7.72
CIELCh	85, 16.790, 207.377
Yxy	66.5593, 0.2766, 0.3230
Android (android.graphics.Color)	4289519331 (0xFFACDEE3)
YUV	207.6200, 9.5543, -31.2387
Hunter-Lab	81.5839, -18.0603, -2.8588

Details

The XYZ color **56.9997, 66.5593, 82.5161** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8478, 50.7541, 45.9368**, and the grayscale version is **59.6646, 62.7718, 68.3585**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **28.7363, 34.4675, 44.1681** is the 20% darker color. If you saturate the color by 10%, you get **51.8930, 63.1201, 82.1225**, and if you desaturate by 10%, it is **62.9680, 70.4560, 82.9548**.

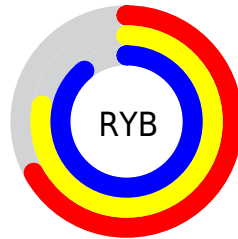
Distribution



Red (67%)

Green (87%)

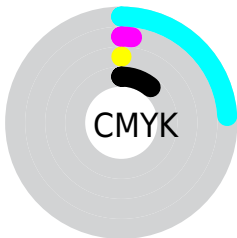
Blue (89%)



Red (67%)

Yellow (78%)

Blue (89%)

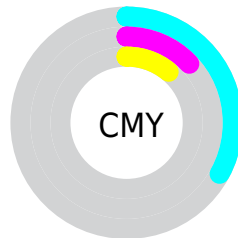


Cyan (24%)

Magenta (2%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (13%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9997, 66.5593, 82.5161 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 56.9997, 66.5593, 82.5161 by changing the saturation by 10% instead.

■ 56.9997, 66.5593,
82.5161

■ 56.9997, 66.5593,
82.5161

403.4624,
448.3745, 523.3011

■ 41.2451, 48.7266,
61.2527

■ 99.5961, 114.2887,
138.7407

■ 28.6992, 34.4026,
43.9973

127.1687,
144.9542, 174.5390

■ 18.9965, 23.2031,
30.3312

159.4113,
180.6660, 216.0194

■ 11.7718, 14.7435,
19.8359

196.6893,
221.8086, 263.6003

■ 6.6595, 8.6396,
12.0929

239.3680,
268.7663, 317.7005

■ 3.2945, 4.5069,
6.6837

287.8129,

■ 1.3114, 1.9609,

321.9236, 378.7383

3.1897

342.3892,
381.6649, 447.1323

■ 0.1917, 0.5846,
1.1923

■ 0.0000, 0.0000,
0.0000

■ 56.9997, 66.5593,
82.5161

■ 56.9997, 66.5593,
82.5161

■ 51.8930, 63.1201,
82.1225

■ 62.9680, 70.4560,
82.9548

■ 47.5988, 60.1080,
81.7674

■ 69.8322, 74.8228,
83.4359

■ 44.0719, 57.5013,
81.4502

■ 77.6318, 79.6820,
83.9627

■ 41.2605, 55.2733,
81.1683

■ 83.4730, 83.5415,
84.3998

■ 39.1061, 53.3938,
80.9191

■ 84.0513, 84.6980,
84.5925

■ 37.5412, 51.8280,
80.6993

■ 84.6363, 85.8681,
84.7876

■ 36.4832, 50.5332,
80.5052

■ 85.2282, 87.0519,
84.9849

■ 36.0274, 49.8702,
80.4012

■ 85.8270, 88.2494,
85.1844

■ 86.4326, 89.4607,
85.3863

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.2475, 66.5593, 71.5194



56.9997, 66.5593, 82.5161



59.4086, 66.5593, 91.5429

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.9997, 66.5593, 82.5161



69.6117, 66.5593, 84.3358



63.5972, 66.5593, 53.5305

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.9997, 66.5593, 82.5161



54.8478, 50.7541, 45.9368

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.2799, 66.5593, 56.2523



56.9997, 66.5593, 82.5161



70.8380, 66.5593, 73.4325

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.9997, 66.5593, 82.5161



66.6789, 66.5593, 92.6651



69.9683, 66.5593, 63.2775



59.9650, 66.5593, 55.4483

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.9997, 66.5593, 82.5161



61.6809, 66.5593, 94.8451



69.9683, 66.5593, 63.2775



64.8712, 66.5593, 53.9265

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.0017, 66.5620, 82.5176



88.2699, 95.7399, 108.4351



52.3780, 66.8678, 51.5251



18.7743, 20.4168, 23.2013



0.0000, 0.0000, 0.0000



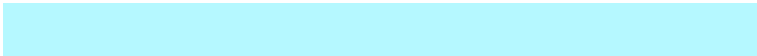
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.0017, 66.5620, 82.5176



70.7716, 84.3575, 107.1603



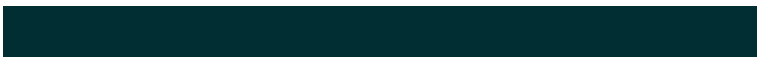
50.3762, 53.3110, 80.3091



14.6896, 16.1006, 18.4778



21.0562, 29.1745, 46.9046



1.5889, 2.2217, 3.4771

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59.6175, 51.1114, 75.8336



74.7610, 61.1228, 96.8932



60.7389, 62.5362, 47.9005



14.9357, 14.5915, 17.8616



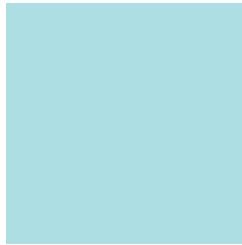
25.0217, 12.1429, 35.3388



1.8656, 0.9040, 2.6989

Previews

White Background



This preview shows how the XYZ color 56.9997, 66.5593, 82.5161 looks on a white background.

Color Contrast Check

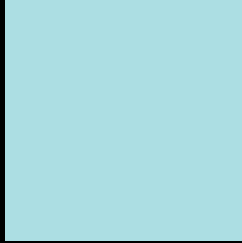
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 56.9997, 66.5593, 82.5161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

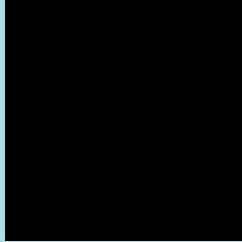
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.9997, 66.5593, 82.5161

Background



This preview shows how black text looks on a background with the XYZ color 56.9997, 66.5593, 82.5161.

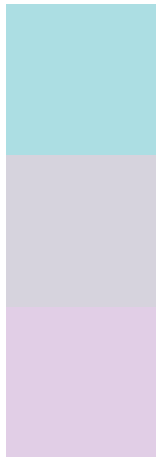


This preview shows how white text looks on a background with the XYZ color 56.9997, 66.5593,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.9997, 66.5593, 82.5161

Protanopia

64.0770, 66.1051, 77.7890

Deuteranopia

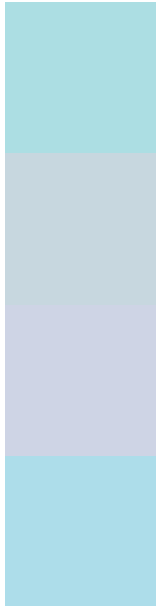
67.4056, 65.8633, 84.0231



Tritanopia

58.4814, 66.3581, 90.6150

Trichromacy



Original Color

56.9997, 66.5593, 82.5161

Protanomaly

61.1729, 66.0707, 79.3408

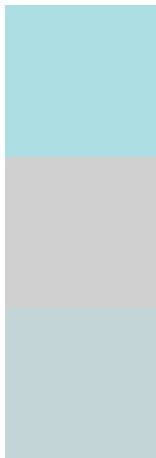
Deuteranomaly

63.1399, 65.8659, 83.5143

Tritanomaly

57.9413, 66.5377, 87.6311

Monochromacy



Original Color

56.9997, 66.5593, 82.5161

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.5657, 64.0969, 73.5752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9997, 66.5593, 82.5161 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(172, 222, 227)` looks like.

```
.text, #text, p{  
    color:rgb(172, 222, 227)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(172, 222, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 222, 227) }
```

Border

The CSS property to change the border of an element to XYZ 56.9997, 66.5593, 82.5161 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 222, 227) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(172, 222, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(172, 222, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 222, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 222, 227);  
box-shadow:4px 4px 4px 4px rgb(172, 222,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9997, 66.5593, 82.5161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 222, 227) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(172,  
222, 227) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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